

IN THE CLAIMS

Claims 1-66 (canceled)

Claim 67 (currently amended) A local-area wireless communication system for use with a plurality of mobile devices, comprising:

- a plurality of local base stations coupled to a local area network (LAN), the local base stations being configured to send and receive data over the LAN and to communicate wirelessly with the plurality of mobile devices;

- the plurality of local base stations each having a network address on the LAN and are configured to send and receive data over the LAN using the network addresses;

- a subscription server operating on the LAN, in communication with all of the local base stations, the subscription server configured to identify the local base stations covering one or more of the mobile devices, the subscription server enabling the local-area wireless communication system to locate mobile devices that are in communication with the local-area wireless communication system without requiring communication between the plurality of local base stations to locate the mobile devices;

- each local base station including a routing cache stored in local memory that is not commonly accessible by all local base stations, and being configured to maintain a the routing cache based on communications received from other local base stations, the routing cache identifying which of the plurality of local base stations were last in contact with mobile devices from which the communications were initiated; and

- each local base station being further configured to route an outgoing communication directed to a particular mobile device directly through a different local base station using the routing cache without requiring the local base station to access the subscription server and without sending information to other local base stations not involved in the communication; and

- each local base station being further configured to access the subscription server when information needed to route the outgoing communication directed to the particular mobile device is not available in the local base station's routing cache.

Claim 68 (previously presented) The system of claim 67, wherein the subscription server also logs subscription information for one or more of the mobile devices.

Claim 69 (previously presented) The system of claim 67, wherein each local base station includes a subscription list that identifies the mobile devices currently covered by the identified base station.

Claim 70 (previously presented) The system of claim 67, wherein the local base stations are configured to purge from the route cache data relating to any mobile device to which the local base station has not been in communication for a predefined interval of time.

Claims 71-80 (canceled)